

Application/Control Number: 09/827,888
Art Unit: 2194

Docket No.: PALM-3588

Amendments To The Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-28. (Canceled)

29. (New) A method of performing context switching in a portable processing device, the method comprising:

receiving an indication from a user of a desire to perform a context switch on the portable processing device;

displaying a task switching menu listing only ones of a plurality of programs installed on the portable processing device that are useful to execute based at least partly on a currently executing program;

receiving a selection from the user of one of the displayed useful ones of the plurality of programs installed on the portable processing device;

storing a program state of a first currently executing program into a first context packet;

suspending execution of the first currently executing program; and

executing the selected one of the displayed useful ones of the plurality of programs installed on the portable processing device.

30. (New) The method of claim 29, wherein the task switching menu is a pull-down menu.

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31. (New) The method of claim 29, further comprising:
releasing temporary memory used by the first currently executing program.
32. (New) The method of claim 29, further comprising:
restoring a stored program state of the selected one of the displayed useful ones of the plurality of programs installed on the portable processing device from a second context packet before executing the selected one of the displayed useful ones of the plurality of programs installed on the portable processing device.
33. (New) The method of claim 29, further comprising:
receiving a second indication from the user indicating a desire to perform a context switch on the portable processing device to cause the first currently executed program to be executed;
storing a program state of the selected one of the displayed useful ones of the plurality of programs installed on the portable processing device;
suspending execution of the selected one of the displayed useful ones of the plurality of programs installed on the portable processing device;
restoring the program state of the first currently executing program from the first context packet; and
executing the first currently executing program with the restored program state.
34. (New) The method of claim 29, further comprising:
executing a non-multitasking operating system on the portable processing device.

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35. (New) The method of claim 29, wherein indications of the ones of the plurality of programs installed on the portable processing device that are useful to execute are coded into the currently executing program.

36. (New) The method of claim 29, further comprising:
providing a context packet control panel to permit the user to set at least one parameter that affects context packets.

37. (New) The method of claim 36, wherein the context packet control panel permits the user to manage an amount of memory used by the context packets.

38. (New) A portable processing device comprising:
at least one processor;
a display device;
an input device;
a memory; and
a bus connecting the at least one processor, the display device, the input device, and the memory, wherein the memory includes a plurality of instructions for that at least one processor to cause the portable processing device to be configured to:

receive an indication from a user of a desire to perform a context switch on the portable processing device,

display a task switching menu listing only ones of a plurality of programs installed on the portable processing device that are useful to execute based at least partly on a currently executing program,

receive a selection from the user of one of the displayed useful ones of the plurality of programs installed on the portable processing device,

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store a program state of a first currently executing program into a first context packet,
suspend execution of the first currently executing program, and
execute the selected one of the displayed useful ones of the plurality of programs installed on the portable processing device.

39. (New) The portable processing device of claim 38, wherein the task switching menu is a pull-down menu.

40. (New) The portable processing device of claim 38, wherein the portable processing device is further configured to:

release temporary memory used by the first currently executing program.

41. (New) The portable processing device of claim 38, wherein the portable processing device is further configured to:

restore a stored program state of the selected one of the displayed useful ones of the plurality of programs installed on the portable processing device from a second context packet before executing the selected one of the displayed useful ones of the plurality of programs installed on the portable processing device.

42. (New) The portable processing device of claim 38, wherein the portable processing device is further configured to:

receive a second indication from the user indicating a desire to perform a context switch on the portable processing device to cause the first currently executed program to be executed;

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store a program state of the selected one of the displayed useful ones of the plurality of programs installed on the portable processing device;
suspend execution of the selected one of the displayed useful ones of the plurality of programs installed on the portable processing device;
restore the program state of the first currently executing program from the first context packet; and
execute the first currently executing program with the restored program state.

43. (New) The portable processing device of claim 38, wherein the portable computing device is further configured to execute a non-multitasking operating system.

44. (New) The portable processing device of claim 38, wherein the portable processing device is further configured to:
provide a context packet control panel to permit the user to set at least one parameter that affects context packets.

45. (New) The portable computing device of claim 44, wherein the portable processing device is further configured to:
permit the user, via the context packet control panel, to manage an amount of memory used by the context packets.

46. (New) A portable computing device comprising:
means for receiving an indication from a user of a desire to perform a context switch on the portable processing device;

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means for displaying a task switching menu listing only ones of a plurality of programs installed on the portable processing device that are useful to execute based at least partly on a currently executing program;

means for receiving a selection, from the user, of one of the displayed useful ones of the plurality of programs installed on the portable processing device;

means for storing a program state of a first currently executing program into a first context packet;

means for suspending execution of the first currently executing program; and

means for executing the selected one of the displayed useful ones of the plurality of programs installed on the portable processing device.

47. (New) The portable processing device of claim 46, wherein the task switching menu is a pull-down menu.

48. (New) The portable processing device of claim 46, further comprising:
means for releasing temporary memory used by the first currently executing program.

49. (New) The portable processing device of claim 46, further comprising:
means for restoring a stored program state of the selected one of the displayed useful ones of the plurality of programs installed on the portable processing device from a second context packet before executing the selected one of the displayed useful ones of the plurality of programs installed on the portable processing device.

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50. (New) The portable processing device of claim 46, further comprising:
- means for receiving a second indication from the user indicating a desire to perform a context switch on the portable processing device and causing the first currently executed program to be executed;
 - means for storing a program state of the selected one of the displayed useful ones of the plurality of programs installed on the portable processing device;
 - means for suspending execution of the selected one of the displayed useful ones of the plurality of programs installed on the portable processing device;
 - means for restoring the program state of the first currently executing program from the first context packet; and
 - means for executing the first currently executing program with the restored program state.
51. (New) The portable processing device of claim 46, wherein the portable processing device is configured to execute a non-multitasking operating system.
52. (New) The portable processing device of claim 46, further comprising:
- means for providing a context packet control panel to permit the user to set at least one parameter that affects context packets.
53. (New) The portable processing device of claim 52, further comprising:
- means for permitting the user to manage an amount of memory used by the context packets.